

FIG. 1A

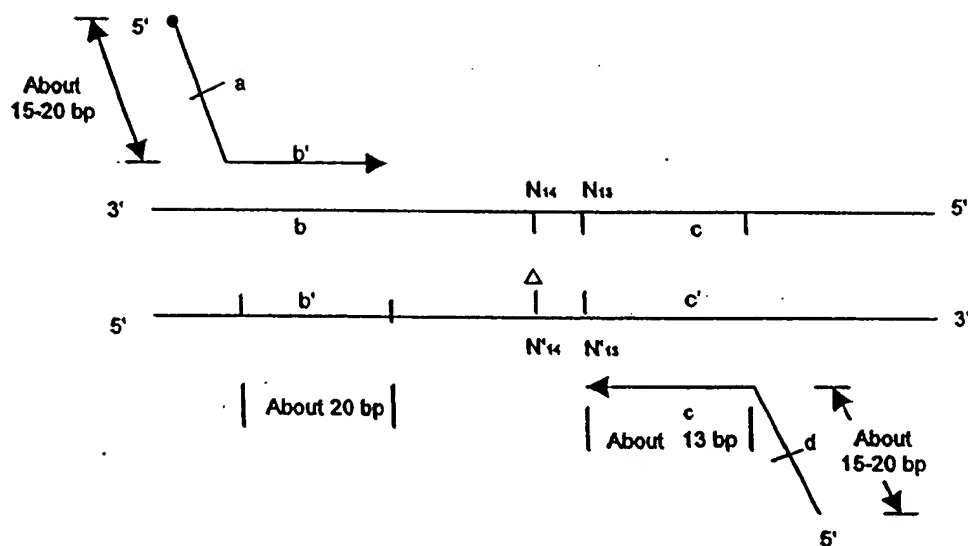


FIG. 1B

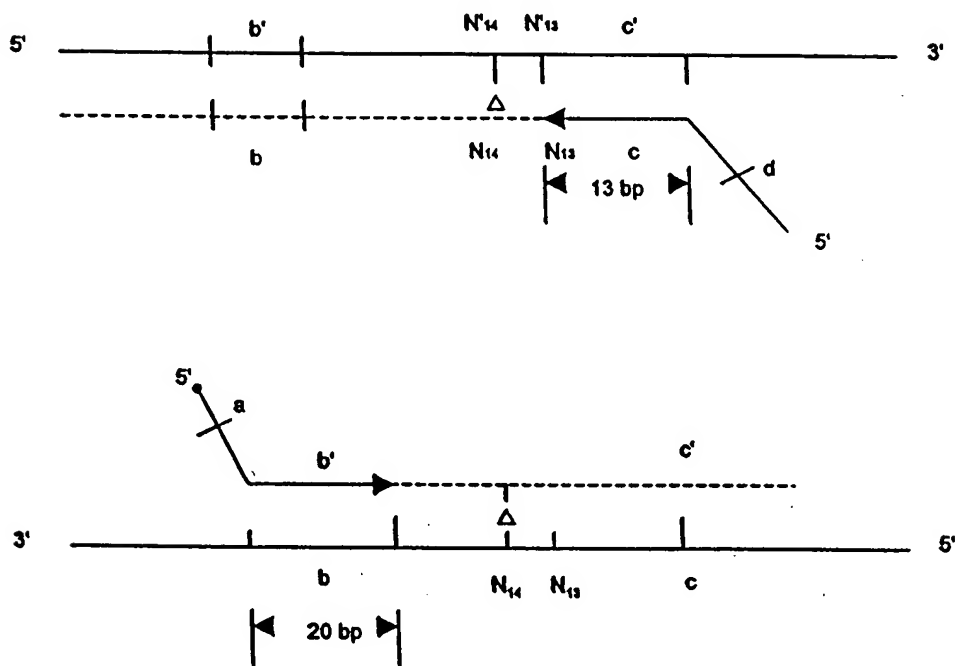


FIG. 1C

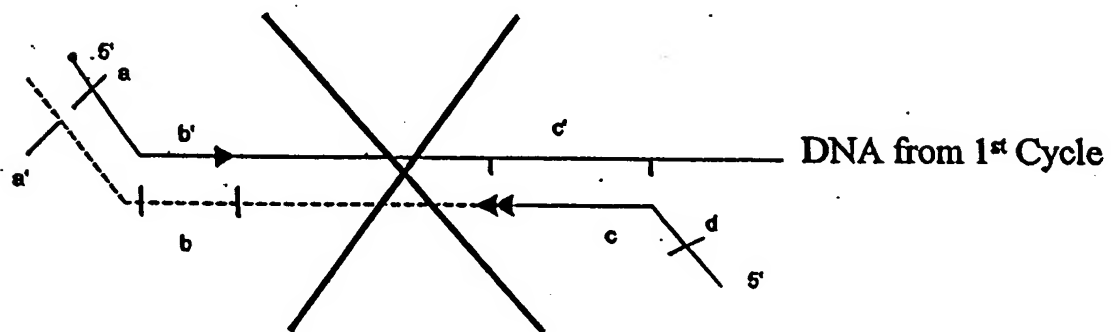
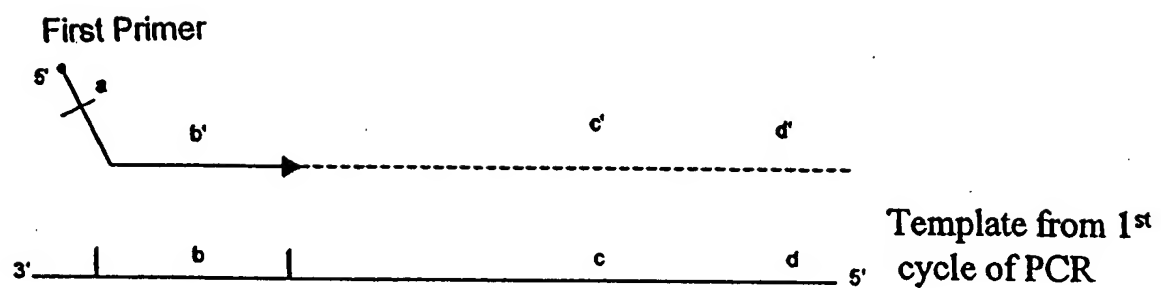


FIG. 1D

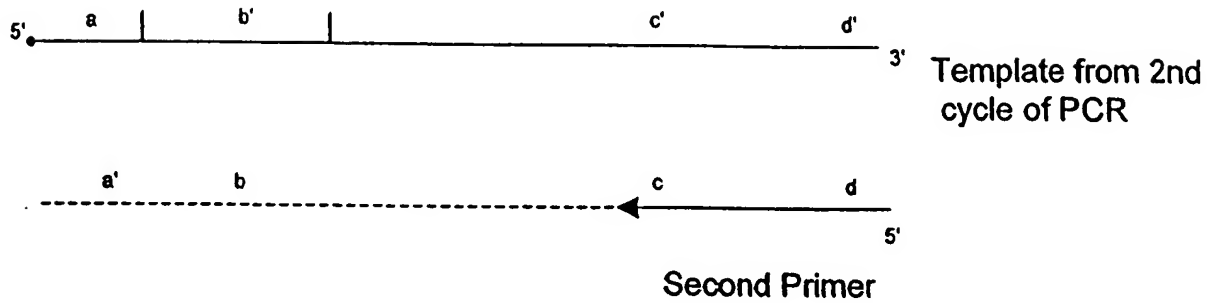


FIG. 1E

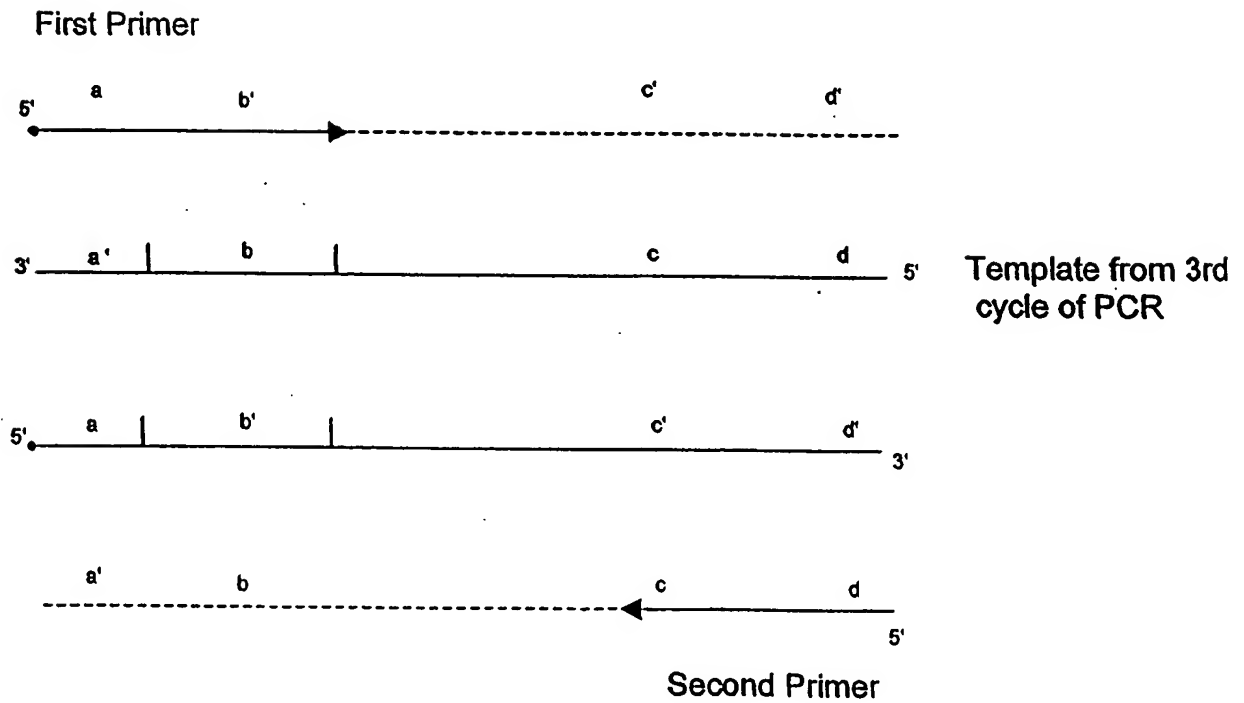


FIG. 1F

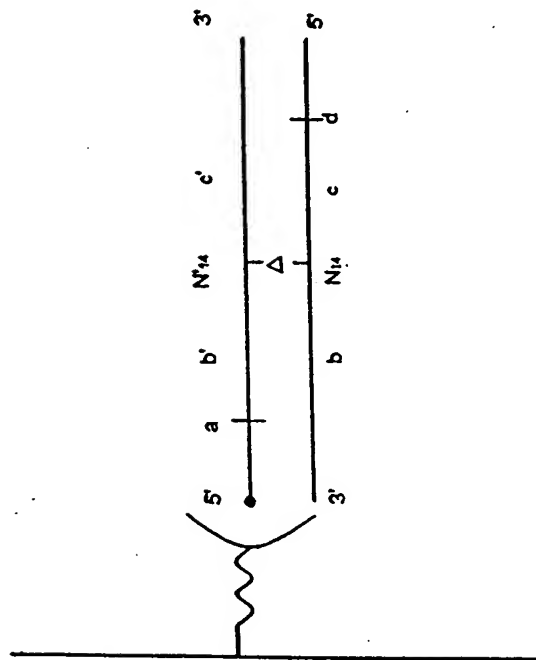


FIG. 1G

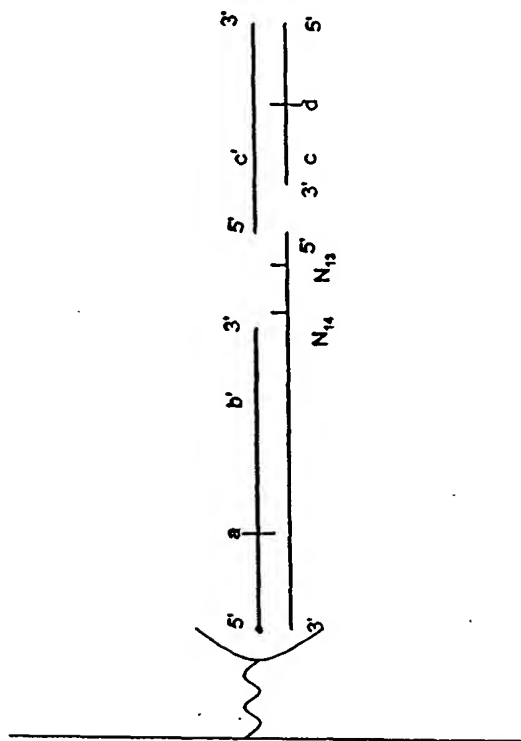


FIG. 1H

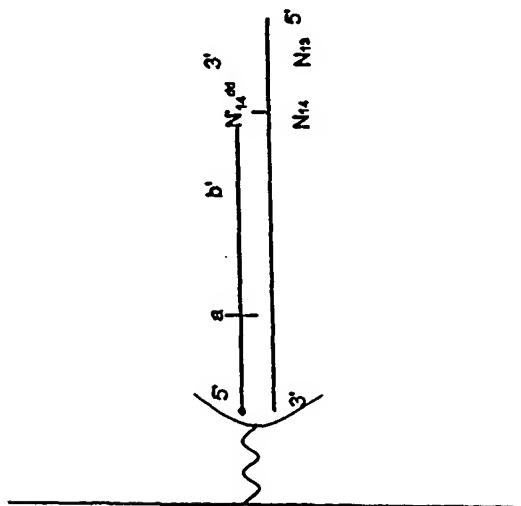


FIG. 1I

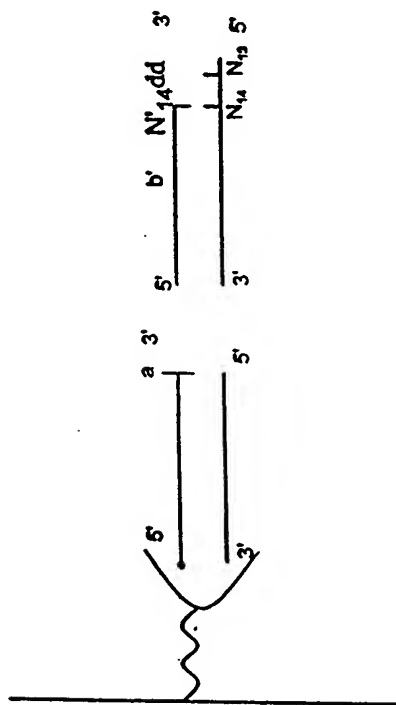


FIG. 2

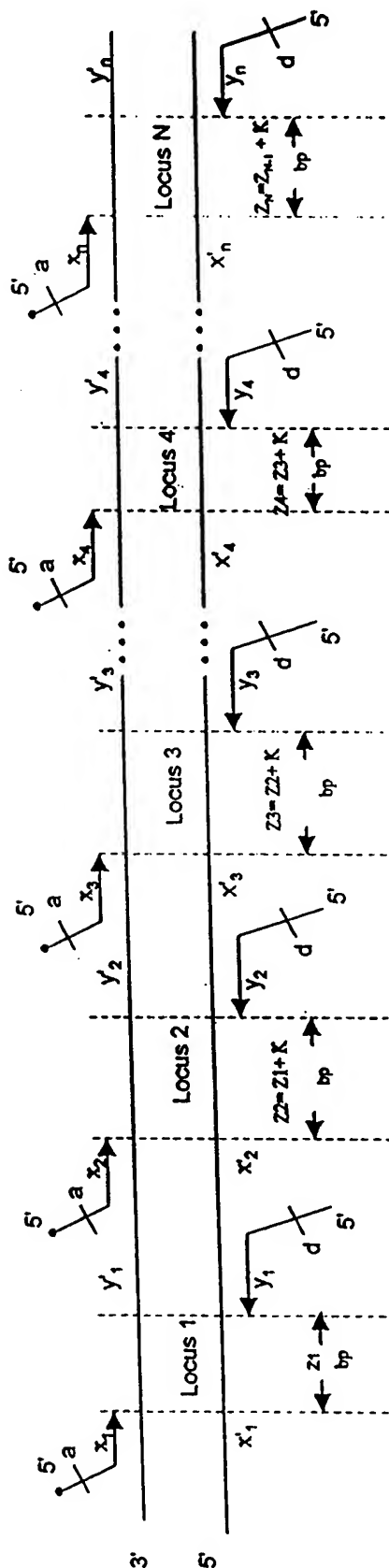
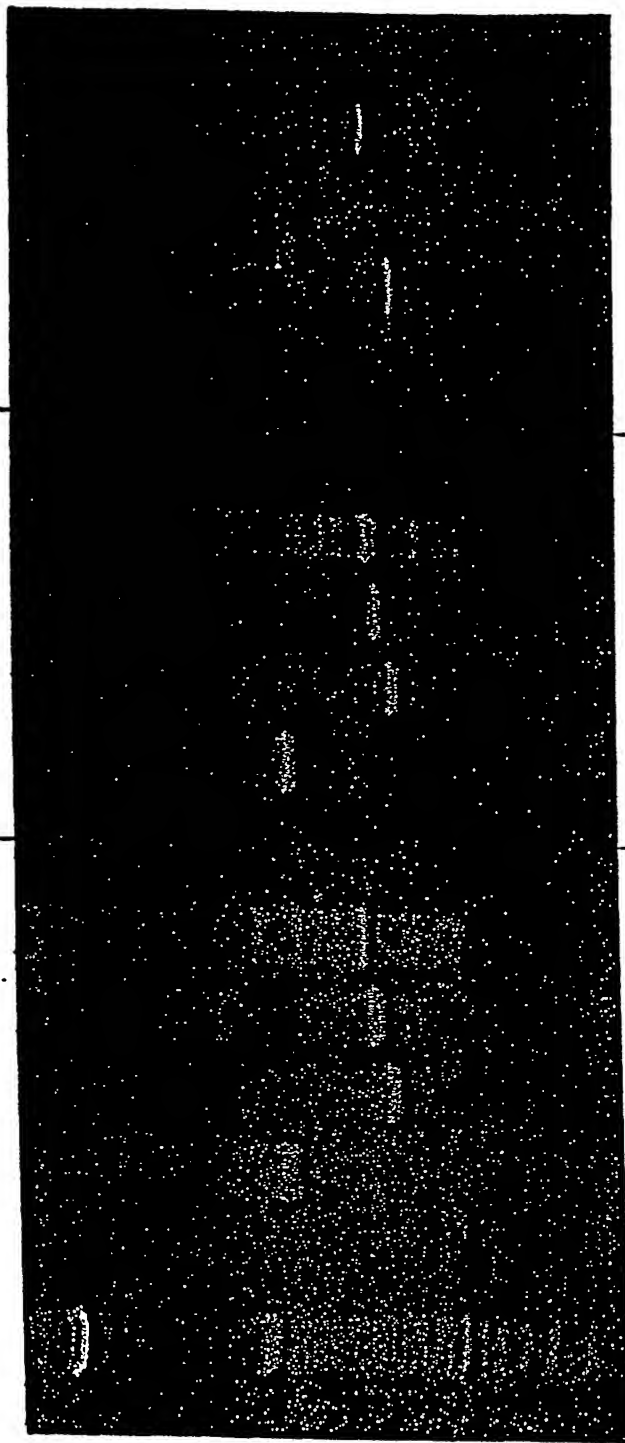


FIG. 3A

FIG. 3B

FIG. 3C



Lane	M	1	2	3	4	1	2	3	4	1	2	3	4				
Annealing Temp. 1 st Cycle (TM1)						37°C				40°C				46°C			
Annealing Temp. 2 nd Cycle (TM2)						57°C				60°C				65°C			
Annealing Temp. 3 rd Cycle (TM3)						64°C				67°C				72°C			

FIG. 4A

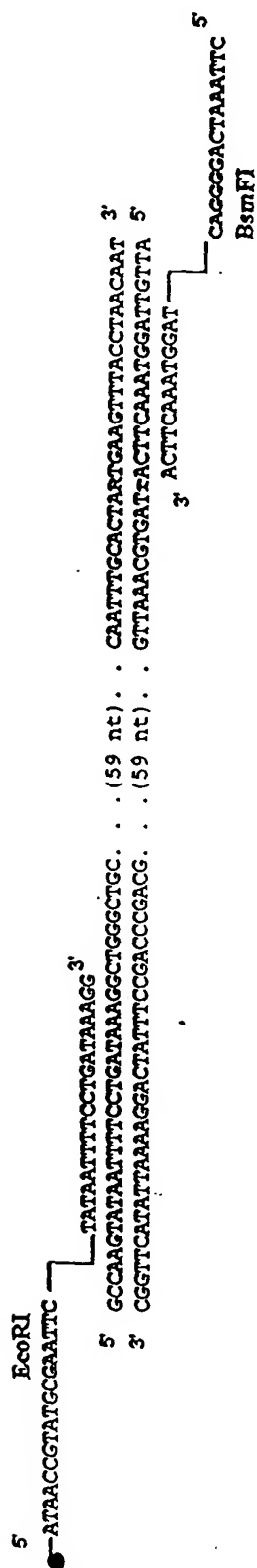


FIG. 4B

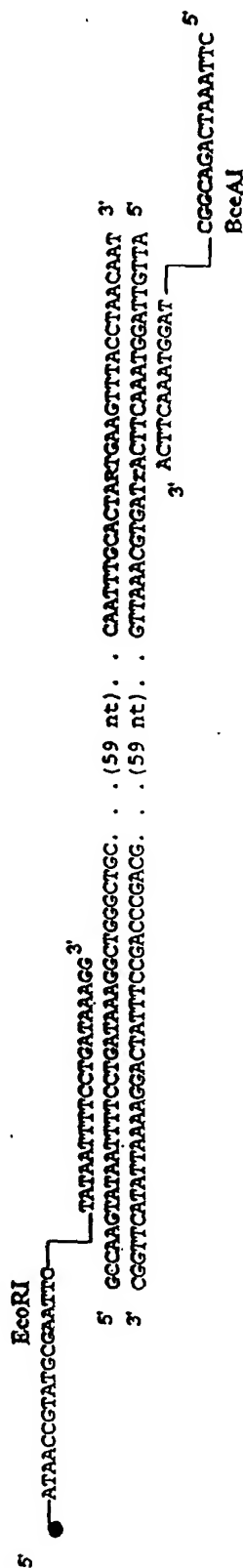


FIG. 4C

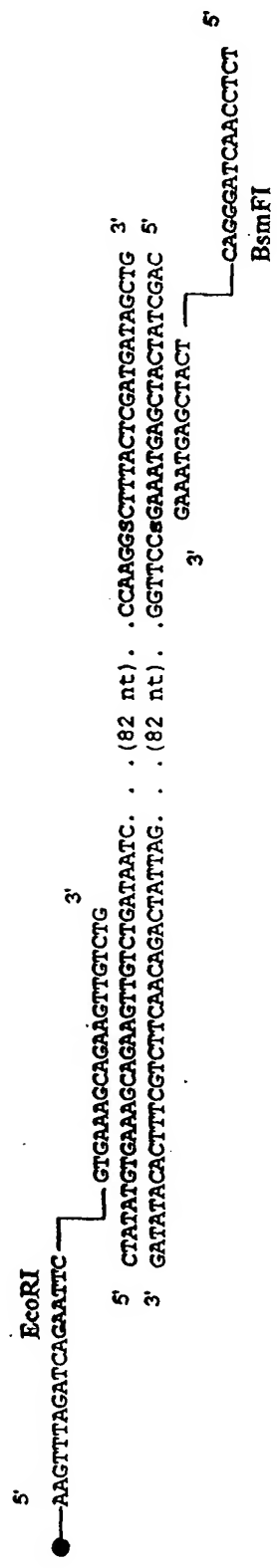


FIG. 4D

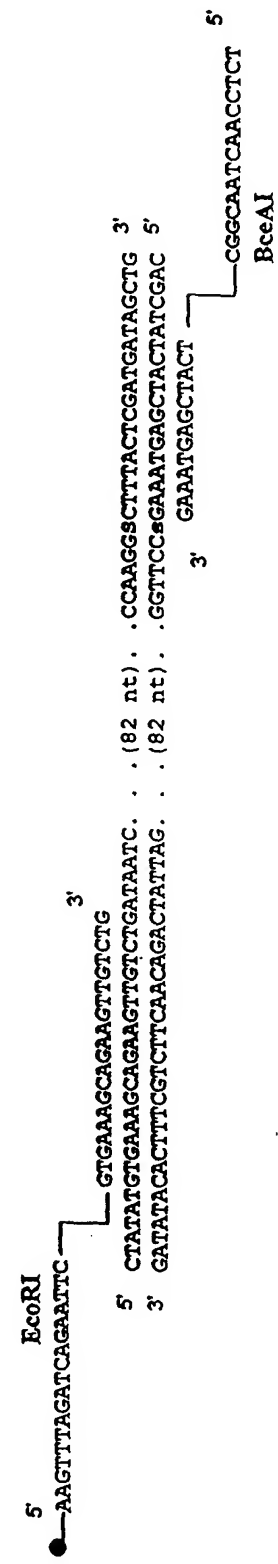


FIG. 5A

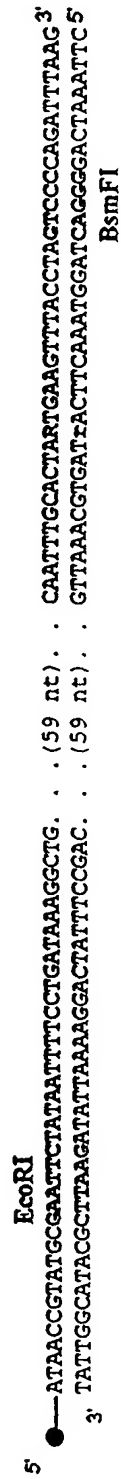


FIG. 5B

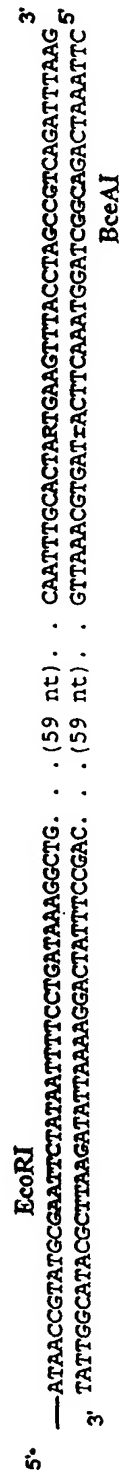


FIG. 5C

5' ● AAGTTTAGATCAGAATTTCGTGAAAGCAGAAAGTTGTCTGATAATC. . . (82 nt) . . . CCAAGGSCTTTACTCGATGAGTCCCTTATCGTGAT 3'
3' TTCAAATCTAGTCTTAAGCACITTCGTCTTCAACAGACTATTAG. . . (82 nt) . . . GGTTCsGAAATGAGCTACTCAGGGGAATAGCACTA 5'
BsmFI

FIG. 5D

5' ● AAGTTTAGATCAGAATTTCGTGAAAGCAGAAAGTTGTCTGATAATC. . . (82 nt) . . . CCAAGGSCTTTACTCGATGAGCCTTATCGTGAT 3'
3' TTCAAATCTAGTCTTAAGCACITTCGTCTTCAACAGACTATTAG. . . (82 nt) . . . GGTTCsGAAATGAGCTACTCGGCAATAGCACTA 5'
BceAI

FIG. 6A

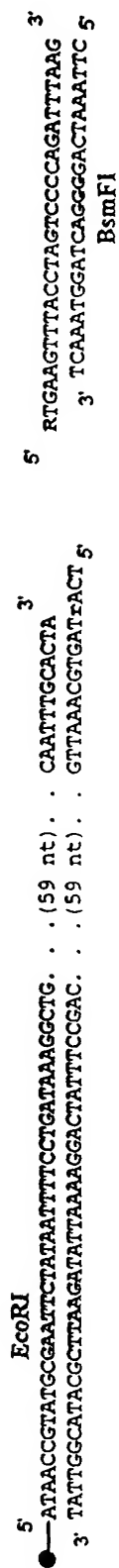


FIG. 6B

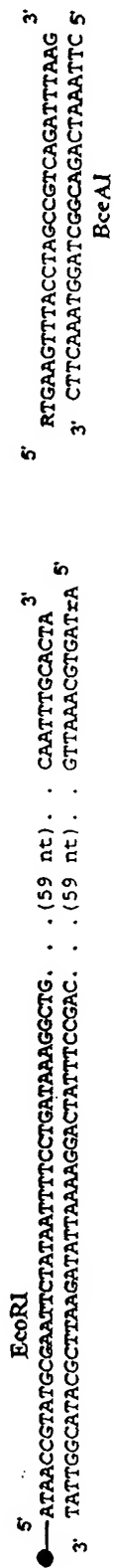


FIG. 6C

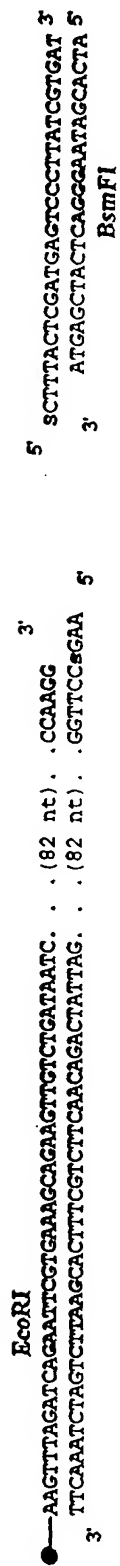


FIG. 6D

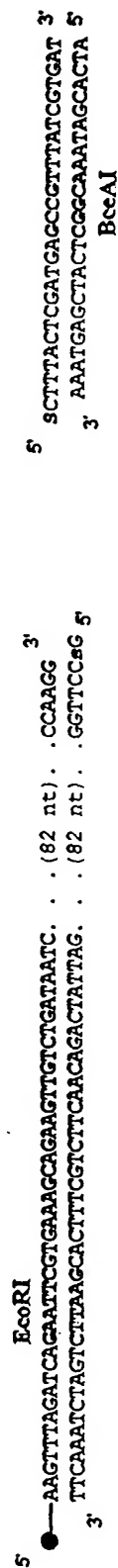


FIG. 7A

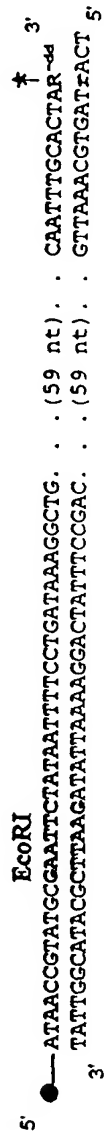


FIG. 7B

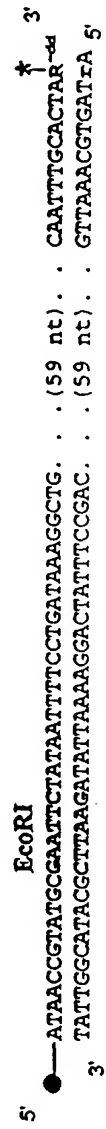


FIG. 7C

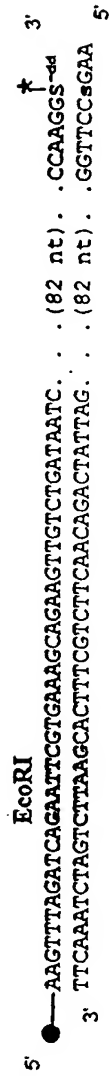


FIG. 7D

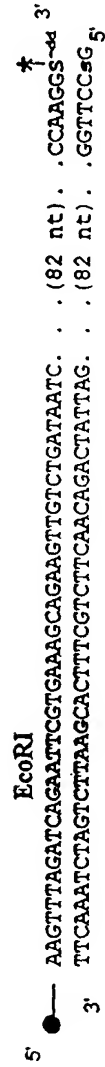


FIG. 7E

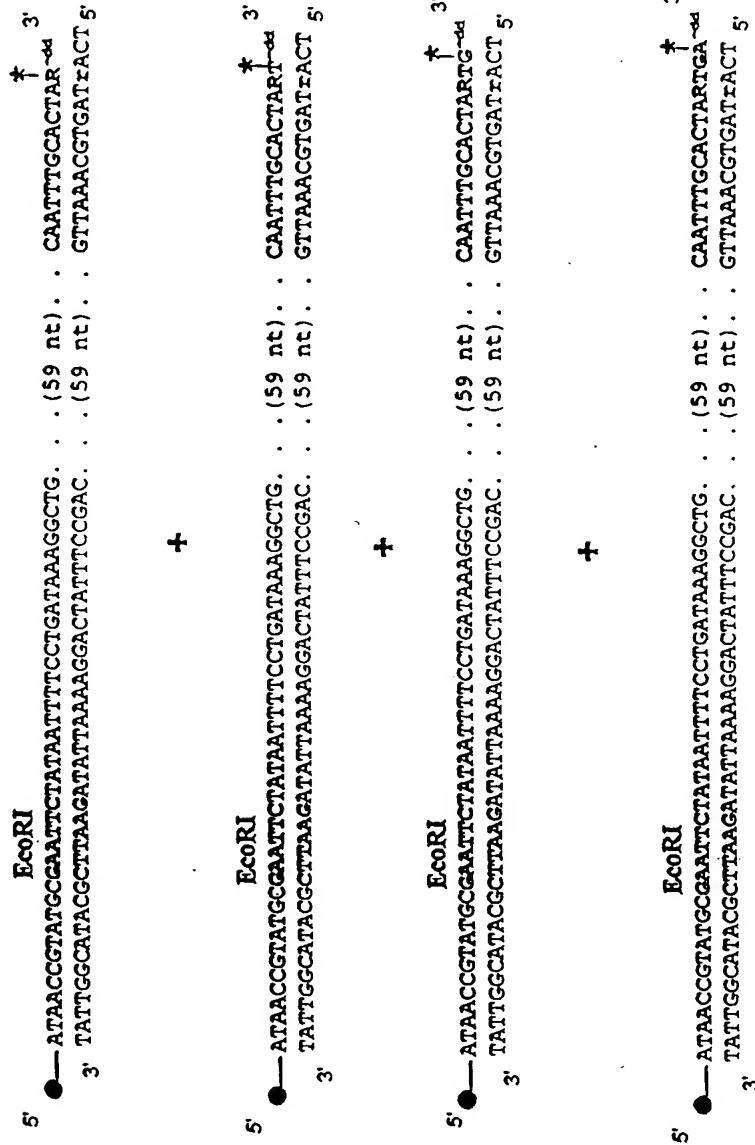


FIG. 8A

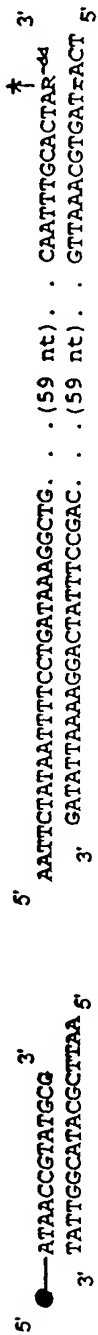


FIG. 8B

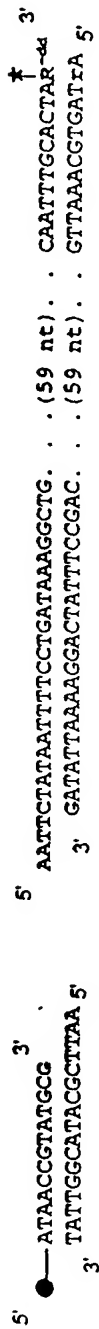


FIG. 8C

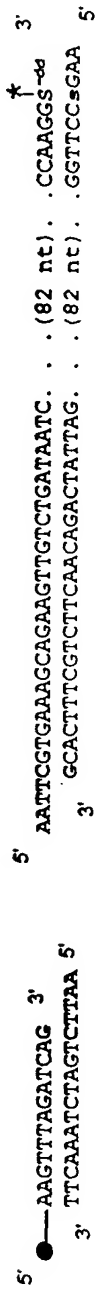


FIG. 8D

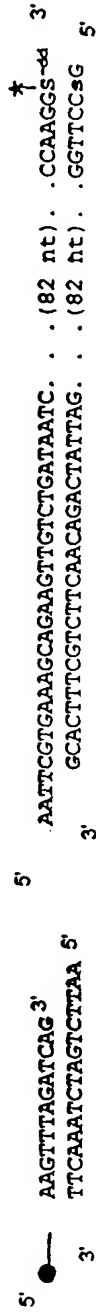
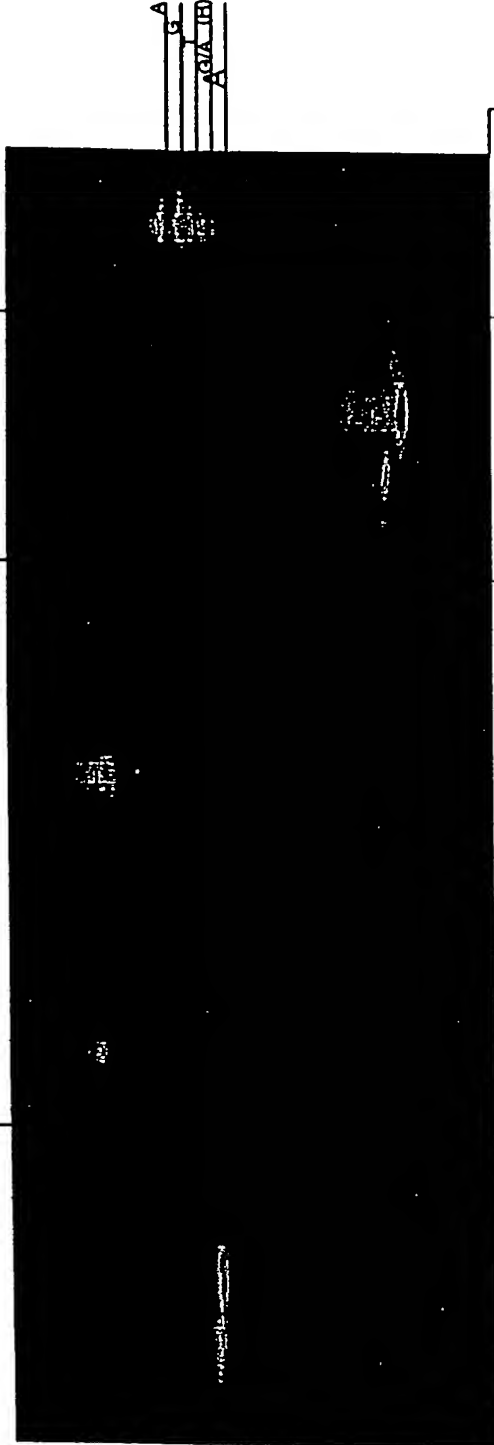


FIG. 9A | FIG. 9B | FIG. 9C | FIG. 9D



Nucleotides	G	A	T	C	G	A	T	C	G	A	T	C	
SNP	HC21S00027				TSC0095512				TSC0264580				HC21S00027
Restriction enzyme site on second primer	BceA I				BceA I				BsmF I				BsmF I
.5' Overhang	3'A T r A 5'				3'G C s G 5'				3' T 10/14 cut A r C C C 5'				3'A 10/14 cut T r A C T 5'
R	G/A								3'A 11/15 cut T A r C C 5'				3'T 11/15 cut A T r A C 5'
S					G/C				A/C				G/A

FIG. 10

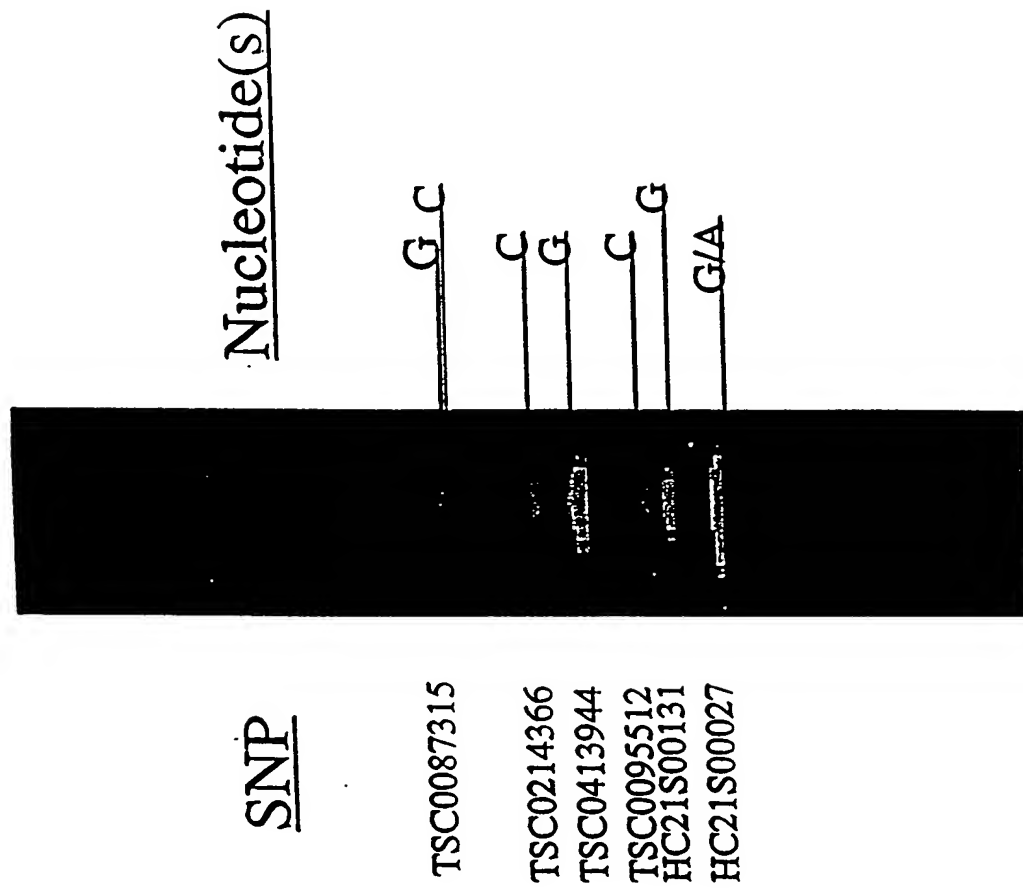


FIG.11A

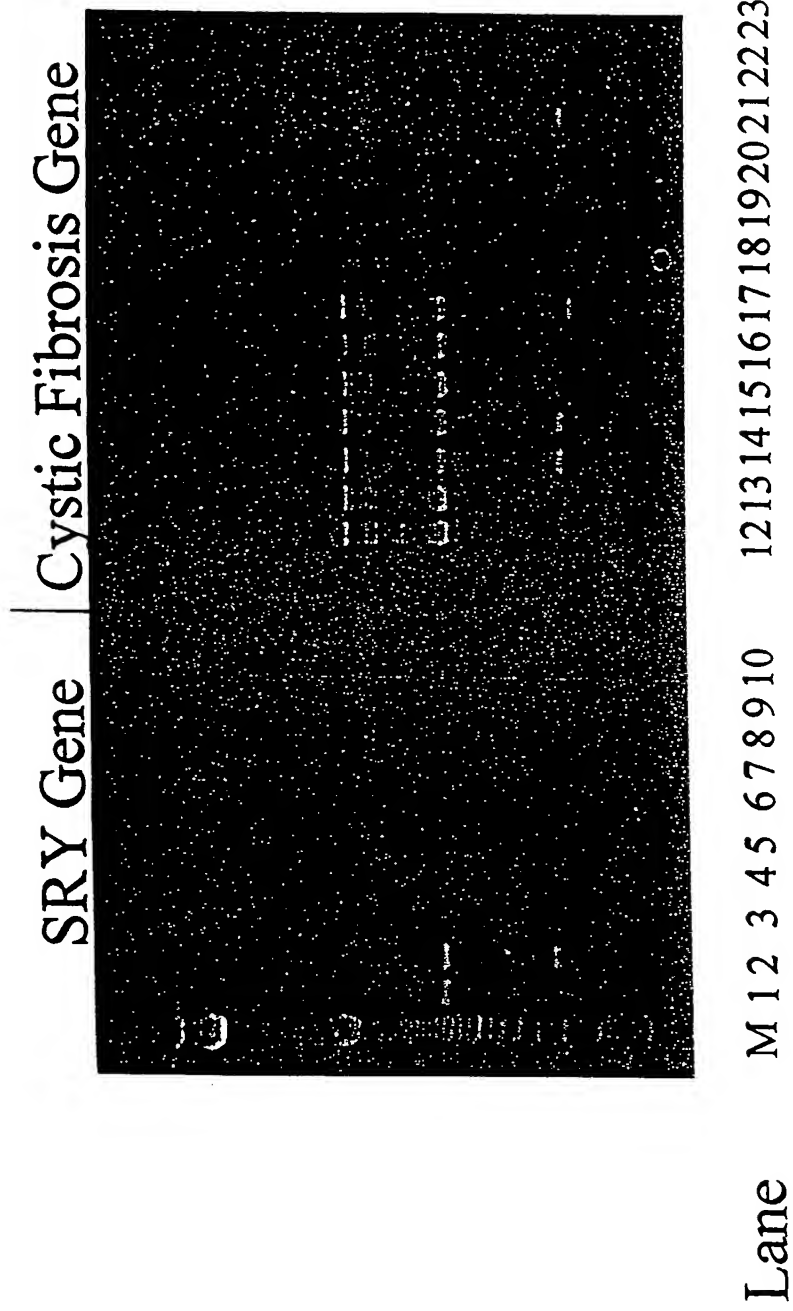


FIG. 11B

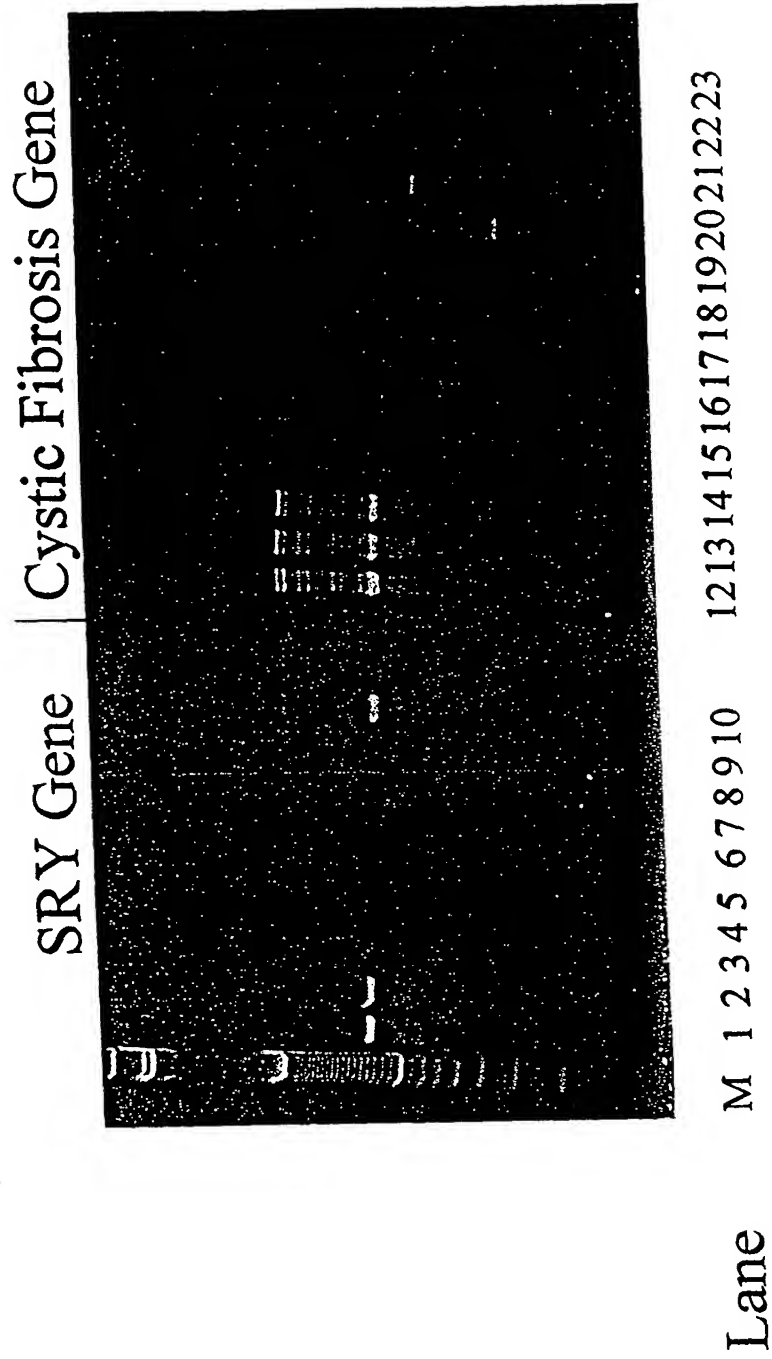


FIGURE 12

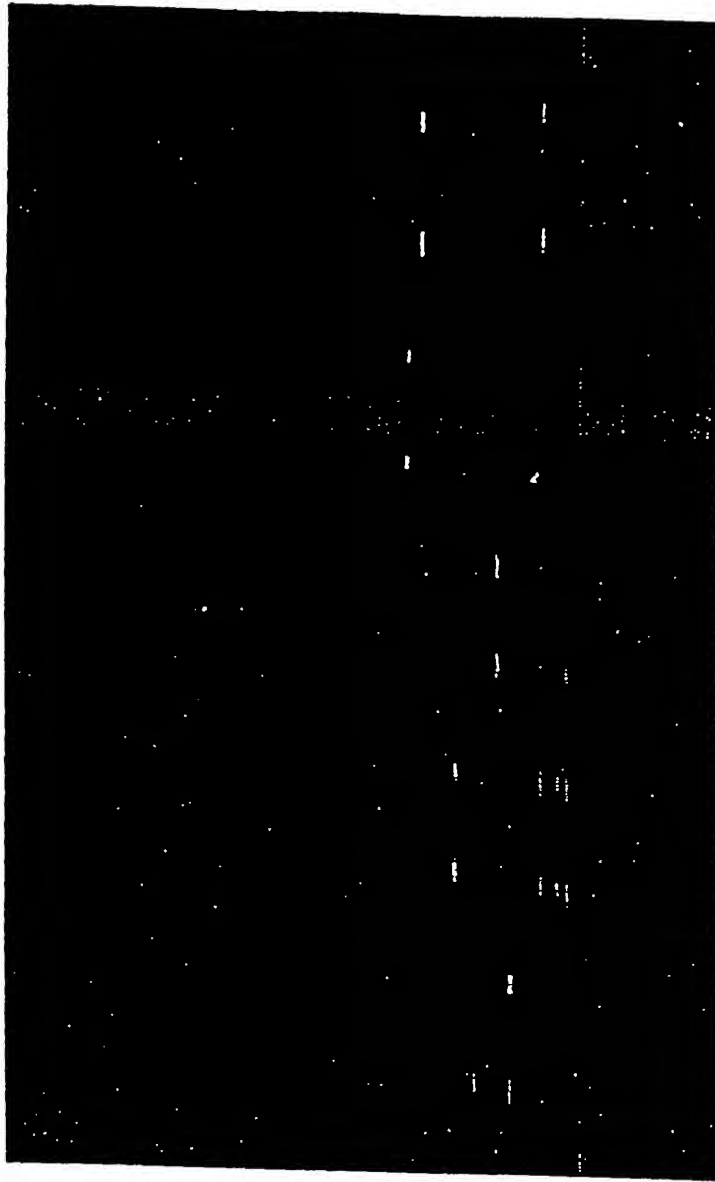
									
Chromosome	21		21		13		13		13
SNP	TSC 0115603		TSC0309610		ss813773		TSC0198557		TSC0200347
Nucleotide	T	A	T	C	A	C	T	C	C
Nucleotide Ratio	36:63		66:33		46:54		49:51		50:49

FIG. 13

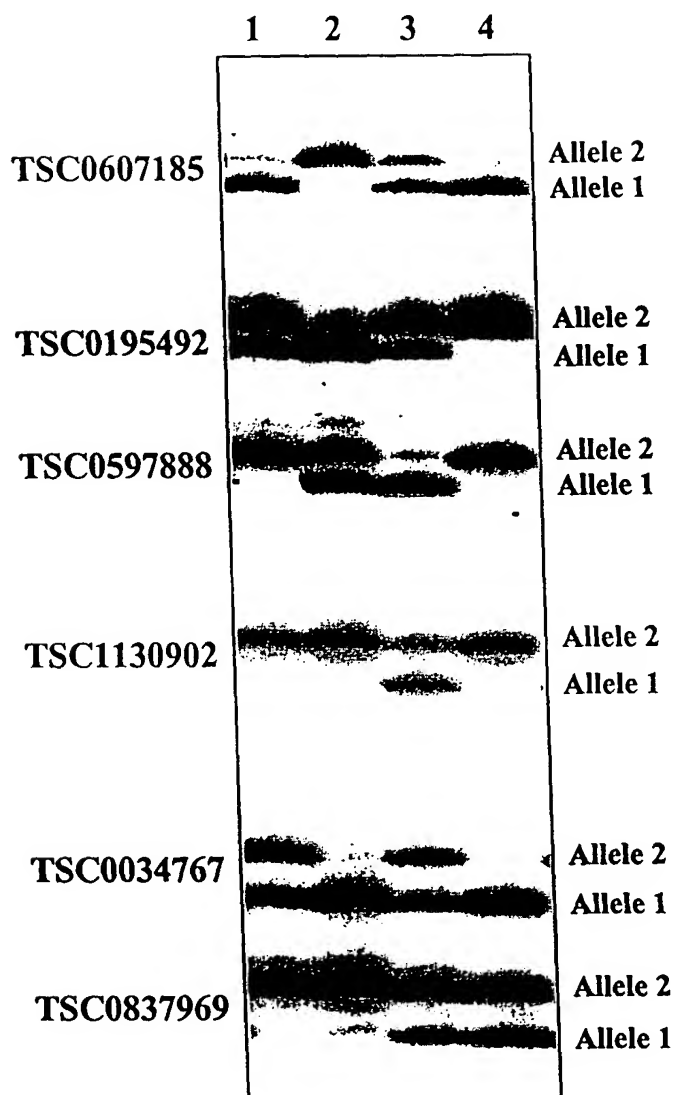
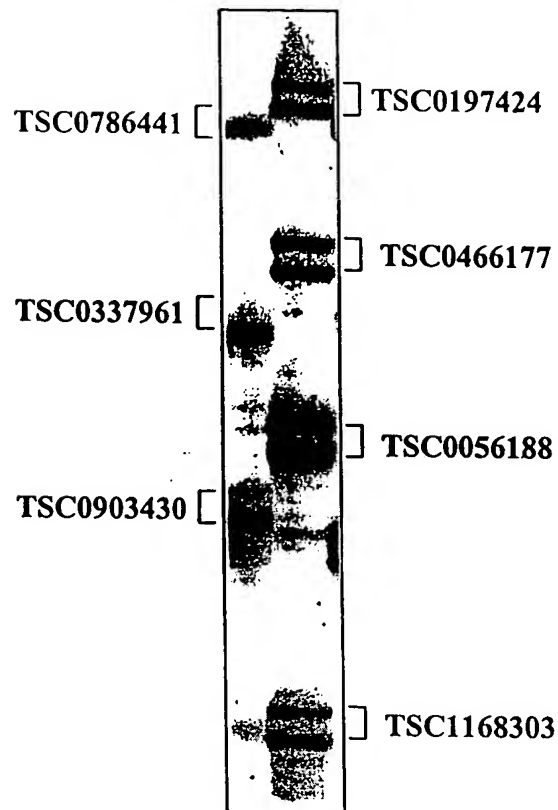


FIG. 14



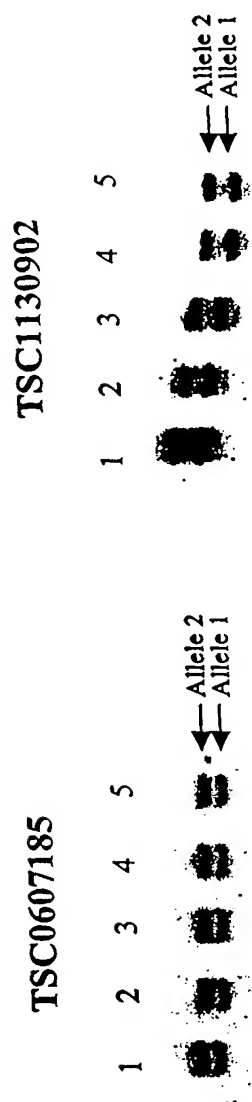
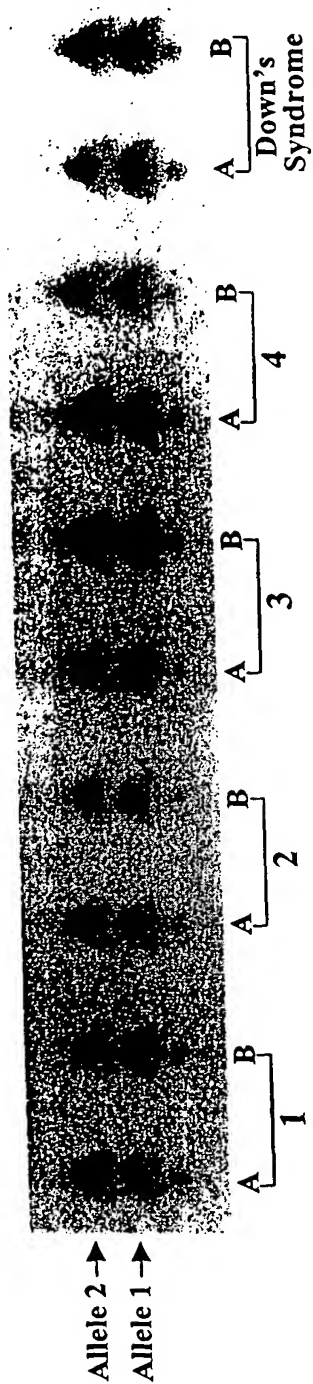


FIG. 15

FIG. 16



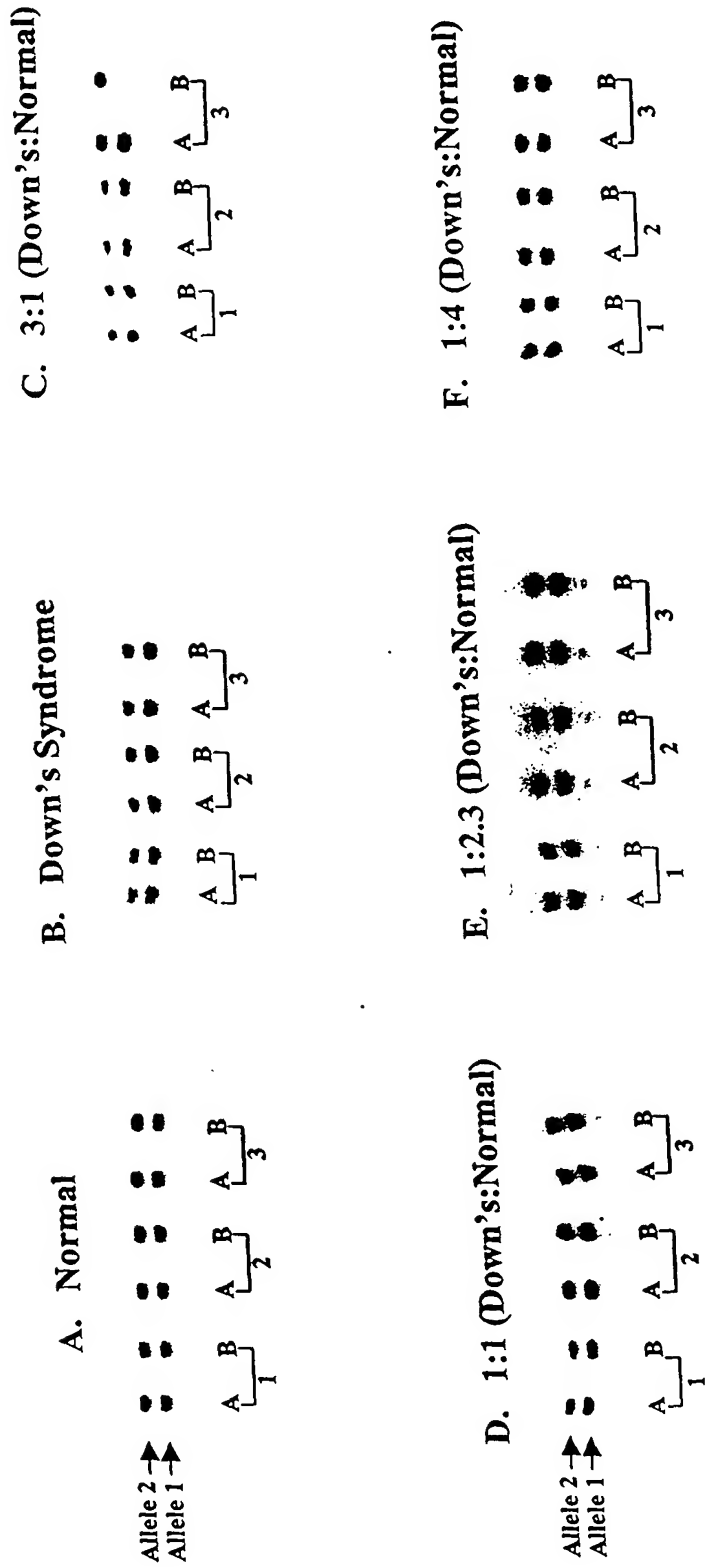


FIG. 17

FIG. 18

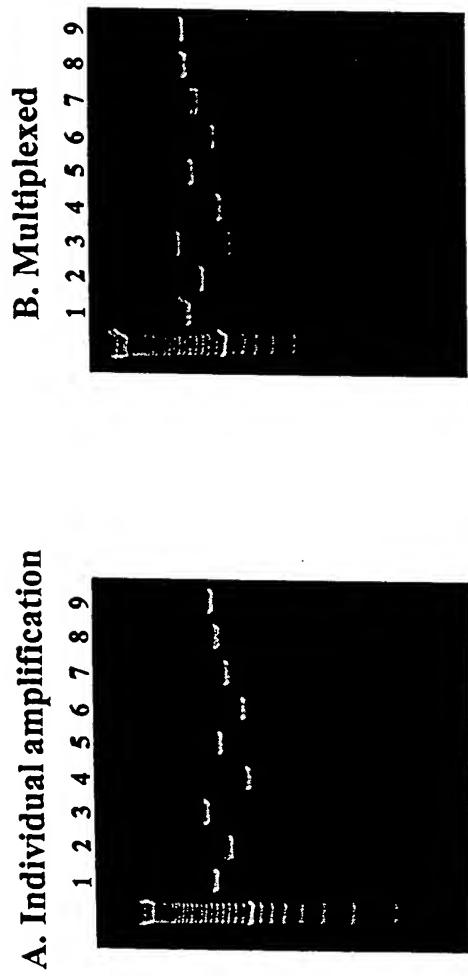


FIG. 19



FIG. 20

